

## **OPTICAL TRANSMISSION CONTROLLER**

Xiangzhong Wang

### **ABSTRACT**

An optical transmission controller for controlling an optical transmission system is presented. The optical transmission controller according to the present invention includes a laser controller, a modulator block controller, and a modulation driver controller. In some embodiments, the optical transmission controller is formed on a single integrated circuit chip. In some embodiments, the optical transmission controller includes a digital signal processor or microprocessor executing instructions for providing signals to a laser module, a modulator block and modulation drivers.